Sub	ostitute for form 1449/PTO			Complete if Known		
Sul	ostitute for form 1449/FTO			Application Number	10/537,804	
IN	NFORMATIO!	N DISC	CLOSURE	Filing Date	June 7, 2005	
	TATEMENT			First Named Inventor	Robert DWILINSKI	
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Sheet	1	of	3	Attorney Docket Number	204552035400	

U.S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
	1.	US-6,177,292-B1	01-23-2001	Hong et al.				
	2.	US-6,248,607-B1	06-19-2001	Tsutsui				
	3.	US-6,355,497-B1	03-12-2002	Romano et al.				
	4.	US-6,475,277-B1	11-05-2002	Hirota et al.				
	5.	US-2002/0192507-A1	12-19-2002	Dwilinski et al.				
	6.	US-6,627,552-B1	09-30-2003	Nishio et al.				
	7.	US-6,639,925-B2	10-28-2003	Niwa et al.				
	8.	US-6,653,663-B2	11-25-2003	Ishida				
	9.	US-6,686,608-B1	02-03-2004	Takahira				
	10.	US-6,693,935-B2	02-17-2004	Tojo et al.				
	11.	US-2004/0089221-A1	05-13-2004	Dwilinski et al.				
	12.	US-6,749,819-B2	06-15-2004	Otsuka et al.				
	13.	US-2004/0238810-A1	12-02-2004	Dwilinski et al.				
	14.	US-2004/0251471-A1	12-16-2004	Dwilinski et al.				
	15.	US-2004/0261692-A1	12-30-2004	Dwilinski et al.				
	16.	US-2005/0087124-A1	04-28-2005	Dwilinski et al.				
	17.	US-2005/0249255-A1	11-10-2005	Dwilinski et al.				
	18.	US-2006/0054075-A1	03-16-2006	Dwilinski et al.				
	19.	US-2006/0054076-A1	03-16-2006	Dwilinski et al.				
	20.	US-2006/0057749-A1	03-16-2006	Dwilinski et al.				
	21.	US-2006/0124051-A1	06-15-2006	Yoshioka et al.				
	22.	US-2006/0138431-A1	06-29-2006	Dwilinski et al.				
	23.	US-7,252,712-B1	08-07-2007	Dwilinski et al.				
	24.	US-7,314,517-B2	01-01-2008	Dwilinski et al.				
	25.	US-7,315,599-B2	01-01-2008	Morriss				
	26.	US-7,335,262-B2	02-26-2008	Dwilinski et al.				
	27.	US-2008/0050855-A1	02-28-2008	Dwilinski et al.				
	28.	US-7,364,619-B2	04-29-2008	Dwilinski et al.				
	29.	US-2008/0108162-A1	05-08-2008	Dwilinski et al.				
	30.	US-7,374,615-B2	05-20-2008	Dwilinski et al.				
	31.	US-7,387,677-B2	06-17-2008	Dwilinski et al.				
	32.		07-03-2008	Dwilinski et al.				
	33.	US-7,420,261-B2	09-02-2008	Dwilinski et al.				
	34.	US-7,422,633-B2	09-09-2008	Dwilinski et al.				

	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear					
Initials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document		T <sup>6</sup>				
	35.	JP-51-41686	04-08-1976	Matsushita Electric Industrial Co., Ltd.	Translation of abstract					
	36.	WO-94/28204	12-08-1994	Technalum Research, Inc.						
	37.	WO-97/13891	04-17-1997	Centrum Badan Wysokocisnieniowych						
	38.	JP-9-508093	08-19-1997		Corresponds to WO-94/28204 listed above					

S.,	bstitute for form 1449/PTO			Complete if Known		
Su	bstitute for form 1449/P10			Application Number	10/537,804	
l II	NFORMATION	N DI	SCLOSURE	Filing Date	June 7, 2005	
	TATEMENT I			First Named Inventor	Robert DWILINSKI	
		<b>J</b> .,		Art Unit	1792	
	(Use as many sh	eets as	s necessary)	Examiner Name	F. C. Hiteshew	
Sheet	2	of	3	Attorney Docket Number	204552035400	

39.	JP-2000-327495	11-28-2000	Japan Science and Technology Corp.		<b>✓</b>
40.	JP-2001-077038	03-23-2001	Sumitomo Electric Industries	Translation of abstract and corresponds to US-6,475,277 listed above	
41.	EP-1 164 210-A2	12-19-2001	Sharp Kabushiki Kaisha		
42.	JP-2002-026442	01-25-2002	Sony Corp.	Translation of abstract	
43.	PL-347918	12-16-2002	Ammono SP.Zo.o; Nichia Corporation		<b>✓</b>
44.	WO-02/101124-A1	12-19-2002	Nichia Corporation	Translation of abstract	
45.	PL-350375	05-05-2003	Ammono SP.Zo.o; Nichia Corporation		<b>√</b>
46.	EP-1 405 936-A1	04-07-2004	Ammono SP. Zo.o		
47.	WO-2004/090202-A1	10-21-2004	Mitsubishi Chemical Corporation; Tokyo Denpa Co., Ltd.	Translation of abstract	
48.	EP-1 616 981-A1	01-18-2006	Tokyo Denpa Co., Ltd.; Mitsubishi Chemical Corporation		
49.	CN-1260409	06-21-2006	Ammono SP. ZO.O	Translation of abstract and corresponds to WO-02/101124 listed above	

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NON PATENT LITERATURE DOCUMENTS							
Examine r Initials*	Cite No. 1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
	50.	Supplementary European Search Report, dated September 23, 2008, European Patent Application No.02788783.5; 3 pages					
	51.	Chinese Office Action, dated July 18, 2008, directed to Chinese Patent Application No. 200580040008.X; 25 pages	<b>✓</b>				
	52.	Chinese Office Action, dated December 28, 2007, directed to Chinese Patent Application No. 02802023.5; 8 pages	<b>√</b>				
	53.	Japanese Notification, mailed March 14, 2006, directed to Japanese Patent Application No. 2003-50367; 3 pages	1				
	54.	Japanese Notification of Reason(s) for Refusal, mailed December 16, 2008, directed to Japanese Patent Application No. 2004-505416; 7 pages	<b>√</b>				
	55.	Japanese Notification of Reason(s) for Refusal, mailed January 6, 2009, directed to Japanese Patent Application No. 2004-506101; 7 pages	<b>√</b>				

Sul	ostitute for form 1449/PTO			Complete if Known		
Jul	35titute 101 101111 1449/1-10			Application Number	10/537,804	
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l	TATEMENT E			First Named Inventor	Robert DWILINSKI	
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	(Use as many she	eets as	s necessary)	Examiner Name	F. C. Hiteshew	
Sheet	3	of	3	Attorney Docket Number	204552035400	

56.	International Search Report, mailed May 7, 2004, directed to International Patent Application No. PCT/JP03/15906; 3 pages	
57.	International Search Report, mailed September 29, 2005, directed to International Patent Application No. PCT/JP2005/011091; 3 pages	
58.	International Search Report, mailed April 21, 2006, directed to International Patent Application No. PCT/JP2005/022396; 3 pages	
59.	U.S. Office Action, mailed October 16, 2007, directed to U.S. Patent Application No. 10/538,654; 10 pages	
60.	U.S. Office Action, mailed April 2, 2007, directed to U.S. Patent Application No. 10/538,407;13 pages	
61.	Song, Y. et al. (2003)."Bulk GaN Single Crystals: Growth Conditions by Flux Method." <i>Journal of Crystal Growth</i> .247:275-278	
62.	Beaumont, B. et al. (2001)."Epitaxial Lateral Overgrowth of GaN."Phys. Stat. Sol.(b).227(1);1-43	
63.	Liu, L. et al. (2002). "Substrates for Gallium Nitride Epitaxy." Reports: A Review Journal, Materials Science and Engineering:37:61-127	
64.	Yano, M. et al. (2000). "Growth of Nitride Crystals, BN, A1N and GaN by Using a Na Flux" Diamond and Related Materials. 9:512-515	
65.	Yamane, H. et al. (July 1, 1998). "Na Flux Growth of GaN Single Crystals" <i>Journal of the Japanese Association for Crystal Growth</i> . 25(4):14-18	
66.	Yamane, H. et al. (1998). "Morphology and Characterization of GaN Single Crystals Grown in a Na Flux." <i>Journal of Crystal Growth</i> .186:8-12	
67.	Purdy, A. "Ammonothermal Synthesis of Cubic Gallium Nitride." <i>American Chemical Society. Chem. Mater.</i> 11(7):1648-1651	
68.	Sangwal, K. (1994)."Growth Apparatus." Chapter 10.3 In Elementary Crystal Growth. Lublin:331	
69.	Ikornikova, N. Ю. (1975). "Hydrothermal Synthesis of Crystals in Chloride Systems," Izd. Nauka, ed. Moscow: 124-125; 132-133	1
70.	Lan, Y.C. et al., (April 14, 2000). "Syntheses and Structure of Nanocrystalline Gallium Nitride Obtained from Ammonothermal Method Using Lithium Metal as Mineralizator," <i>Materials Research Bulletin</i> 35:2325-2330.	
71.	Polish Patent Office Notification and Search Report, dated January 15, 2007, directed to Polish Patent Application No. P-347918/DP. 8 pages	✓
72.	Penkala, T., (1972). "Zarys Krystalografii (Basics of Crystallography)". PWN, Warszawa: 349	1
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Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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